



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Reid W. von Borstel, et al

Serial No.: 08/463,740

Filed: June 5, 1995

For: PYRIMIDINE NUCLEOTIDE
PRECURSORS FOR TREATMENT OF
SYSTEMIC INFLAMMATION AND
INFLAMMATORY HEPATITIS

Atty Ref.: 1331-143

Group: 1803

Examiner: G. Kunz

1803
RECEIVED

SEP 26 1995

GROUP 1800

September 12, 1995

Honorable Commissioner of Patents and
Trademarks
Washington, DC 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

As suggested by 37 C.F.R. 1.97, the undersigned attorney brings to the attention of the Patent and Trademark Office the references listed on the attached form PTO-1449. The references listed are taken from the PTO-892 and PTO-1449 forms from grandparent application Serial No. 08/158,799 and from corresponding PCT application US93/11531. WO89/03837 and WO89/03838 were taken from the PTO-1449 in parent application Serial No. 08/266,897. The Chu et al and Lehninger references were taken from the PTO-892 from copending and commonly owned Serial No. 08/479,519. Copies of these references can be found in the above-noted related applications. New copies of these references will be submitted in the subject application should the Examiner request such copies.

250 GW 08/22/95 08463740
1 126 210.00 CK

This is not to be construed as a representation that a search has been made or that no better prior art exists, or that a reference is relevant merely because cited.

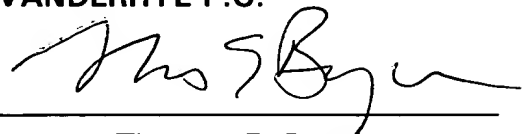
The Examiner is requested to initial the attached form PTO-1449 and return a copy of the initialed document to the undersigned as an indication that the attached references have been considered and made of record.

Our check in the amount of \$210.00 is attached.

Respectfully submitted,

NIXON & VANDERHYE P.C.

By: _____



Thomas E. Byrne
Reg. No. 32,205

TEB:lfo
1100 North Glebe Road, 8th Floor
Arlington, VA 22201-4714
Telephone: (703) 816-4000
Facsimile: (703) 816-4100

ATTY. DOCKET NO.

SERIAL NO.

1331-143

08/463,740

INFORMATION DISCLOSURE CITATION

APPLICANT

Reid W. von Borstel, et al

RECEIVED

(Use several sheets if necessary)

FILING DATE

GROUP

June 5, 1995

1803

SEP 26 1995

U.S. PATENT DOCUMENTS

GROUP 1800

EXAMINER INITIAL*	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
A.K.	4,613,604	9/86	CHU et al	514	274	

FOREIGN PATENT DOCUMENTS

TRANSLATION

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
A.K.	WO80/03837	5/89	PCT			X	
A.K.	WO80/03838	5/89	PCT			X	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

	Aderka et al, "Med Hypotheses", (1988), 27:193-6
	Arai M. et al, "Hepatology" (1989) 9:846-851
	Bowers et al., "J. Surg. Res." (1989) 47:183-8
	Cerra et al, in "Molecular and Cellular Mechanisms of Septic Shock" 265-277, Alan R. Liss (1989)
	Clark et al, "Am. J. Pathol." (1987), 129:192-9
	Echtenacher et al, "J. Immunol." 145:3762-3766 (1990)
	Engelhardt, R. et al, "Cancer. Res." (1991), 51:2524-30
	Farrar and Corwin, Ann. "N.Y. Acad. Sci." 133:668-684 (1966)
	Galanos et al, "PNAS", 76:5939-5943, (1979)
	Gut et al, "J. Infect. Disease." (1984) 149:621
	Halacheva et al, "Toxicon" (1988), 26:571-576
	Havell, "J. Immunol." 139:4225-4231 (1987)
	Kang et al, "J. Histochem. Cytochem." (1988), 36:665-678
	Kilpatrick et al, "Metabolism" (1989) 38:73-7
	Kimura et al, "Cancer, Chemother, Pharmacol" (1987); 20:223-9
	Lomanto et al, "Anesth. Analg." (1972), 51:264-270
	Markley et al, "J. Trauma" 10:598-607, (1970)
	McClain CJ and Cohen DA, "Hepatology" (1989) 9:349-351
	Nolan JP, "Gastroenterology" 69:1346-1356 (1975)
	Nolan, JP, "Hepatology" (1989), 10:887-91
	Nolan JP and Leibowitz AI, "Gastroenterology" (1978), 75:445-9
	O'Sullivan, "Aust. N.Z. J. Med.", (1973) 3:417-422

Examiner

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ATTY. DOCKET NO.

SERIAL NO.

1331-143

08/463,740

INFORMATION DISCLOSURE CITATION

APPLICANT

Reid W. von Borstel, et al

(Use several sheets if necessary)

FILING DATE

GROUP

June 5, 1995

1803

U.S. PATENT DOCUMENTS

EXAMINER INITIAL*	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

TRANSLATION

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

		Pappo et al, "J. Surg. Res." (1991) 51:106-12
		Pates et al, "Farmakol Toksikol" (1968), 31:717-719
		Rosenthal et al, "Toxicology" 56:239-251 (1989)
		Seljelid, "Scand. J. Immunol." (1989), 29:181-92
		Shafer et al "Gastroenterology" (1961), 40:782-784
		Shirai et al "Acta Pathol. Jpn." (1987) 37:1127-1134
		Taki et al "Eur. Surg. Res." (1985), 17:140-9
		Tiegs et al "J. Clin. Invest." (1992) 90:196-203
		Van Bladel et al "Cytokine" (1991) 3:149-54
		van Groeningen et al "Proceedings of the AACR" (1987), 28:195
		Van Groeningen et al "Cancer Tret Rep." (1986), 70:745-50
		Viens et al "J. Immunother" (1992), 11:218-24
		Von Euler et al "J. Biol. Chem." (1963), 238:2464-2469
		Wang et al "Arch. Surg." (1991), 126:219-224
		Lehninger, Albert L., "Biochemistry" Second Edition, Worth Publishers, Inc. New York, 1975, pp. 735-736.

Examiner

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-FB-A820 (also PTO-1449)

ATTY. DOCKET NO.

SERIAL NO.

1331-143

08/463,740

INFORMATION DISCLOSURE CITATION

APPLICANT

Reid W. von Borstel, et al

(Use several sheets if necessary)

FILING DATE

June 5, 1995

GROUP

1803

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AK	4,874,602	10/89	CALABRESI et al	514	50	
AK	3,868,451	2/75	STEIN et al	514	46	
AK	4,757,139	7/88	KAWAGUCHI et al	536	28.53	

FOREIGN PATENT DOCUMENTS

				TRANSLATION			
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO	
1 297 398	11/72	Great Britain			X		
60-174797	2/84	Japanese (Abstract)			X		
WO 89/03837	5/89	PCT			X		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, etc.)

AK		- Martin et al., J. Pharm. Sci., V. 76, No. 2 (February 1987) p. 180-183 "Synthesis And Antiviral Activity of Various Esters of 9-[1,3-Dihydroxy-2-propoxy)methyl]guanine."
		- Casida et al, Biochemical Pharmacology, V. 15, (1966) p. 627-644 "3',5'-Diesters of 5-Fluoro-2'-Deoxyuridine and Thymidine: Hydrolysis by Esterases in Human, Mouse, and Insect Tissue."
		- Ensminger et al, Biochemical Pharmacology, V. 28 (1979) p. 1541-1545 "Thymidine 5'-O-Pivaloate: A Prodrug Derivative of Thymidine with Potential Applications in High-Dose Methotrexate Therapy."
		- Martin et al, Cancer Research, V. 42 (October 1982) p. 3964-3970 "High-Dose 5-Fluorouracil with Delayer Uridine 'Rescue' in Mice."

Examiner

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-FB-A820

(also PTO-1449)